



May Meeting

Uniform Group Contra Costa Sheriff's Reserve

Friday, May 16

8:00 PM

Our Savior's Lutheran
Church

1035 Carol Lane
Lafayette, CA

The speaker for May is a representative of the Uniform Group of the Contra Costa Sheriff's Amateur Radio Reserve.

The Amateur Radio Reserve is a group of amateur radio operators in uniform who assist the Contra Costa Sheriff's Department at county fairs and similar events.

Presidential QRM

By Sam Lipson, KO6JR

Happy 50th anniversary, Mount Diablo Amateur Radio Club. It was 50 years ago this month that our Club was founded. We have a very proud history and are planning to make the next 50 just as historic.

Now some news: Things are looking up on the hill. Many thanks to Dick, KT6X and Keith, N6PMF for their efforts in working with Diablo Communications. We hope to have this whole situation resolved very soon. Check the Designlink BBS for more information. Also, next month is Field Day. This is always a great event for all who participate. We look forward to seeing you on the hill, and if you can't make it up there, work W6CX to help increase our score. July brings the annual picnic. This year we have decided that admission will be free. So... let's all get out there and have a rip roaring time.

We are still looking for people interested in helping out promote our club and activities. We need more people to help with social activities as well as needing help in all of the other areas which make our club run. Talk to people at the meeting and find out what we do that interests you. Your time will be greatly rewarded.

So, for now I wish you all great propagation and hope to hear you on the air.

73, Sam

Pacificon '97 Needs Your Help

By Greg Estep, KE6VTA

Pacificon '97 will be held October 17, 18 & 19 at the Concord Hilton. Sylvia White and I need your help to get ready for this event. How can you help.

- Contact Jay Caldis and get some tickets to sell
- Contact Sylvia White with ideas for forums
- Contact Greg Estep to volunteer for positions

There are still open positions that need to be filled. If you would like to get an inside look at how Pacificon is put together, please call Greg Estep (510) 842-1097 and I will be glad to let you know when and how you can help.

Pacificon raises approximately \$10,000 each year for MDARC. This is your chance to participate in an activity that benefits not only MDARC, but the Ham community in general.

Lastly, you can help by buying tickets. Tickets are on sale at each MDARC meeting and soon via the mail. Mark your calendars and be sure to come.

...At Your Service

By Charles Arthur, AC6WU

I want to thank all the hams that participated in this year's March of Dimes Walk-a-Thon. Public service events are the greatest way to prepare for emergency service that I can think of. I had three more operators this year than I had positions for. The March of Dimes officials could not obtain the three "Victory (SAG) Vans" as they had in the past, instead one van had to do all the work. Thanks go to Kent, KE6BFO, for a great job as "Victory One." Another position was eliminated at the last moment also due to administrative problems. None of this had anything to do with our preparation, just unforeseen circumstance.

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Mt. Diablo Amateur Radio Club W6CX

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The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and space is available.

All material must be submitted to the editor by the first of day of the month of publication. Material is accepted on a first-in, first-out basis. Articles and other material may be submitted via Internet email to w6uv@ccnet.com (preferred), or delivered to the editor at the address listed below. Material will be accepted in plain ASCII, Word for Windows, or WordPerfect format. Material may also be submitted as hardcopy.

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Gold MDARC Jackets

There are many new members in MDARC who have not had an opportunity to purchase a GOLD JACKET with the club logo on them. Now is that chance. The jackets are excellent identification for you when helping in emergencies with Police, Fire Depart., Hospital, or RACES/ARES activities and for community activities such as parades, bike races, etc., or just for club events.

The lined Gold Jackets cost, incl. tax: (minimum order of 12 jackets)

Small, Medium, Large and Extra Large	\$21.65
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3X Large	\$26.00

NEW ITEM

Want a "golf shirt" rather than a jacket? Some of you ask for something cooler for summertime wear. It's a HANES 50/50 Jersey Sportshirt with pocket. Yellow color with logo printed on the back. 50% combed cotton, 50% polyester, 5.4 oz. Jersey fabric, clean finished insert pocket with two woodtone buttons, top stitched pocket, fashion collar and cuffs, top stitched shoulders, double needle hem.

The golf shirts cost, incl. tax (minimum order of 48 shirts)

Medium, Large and Extra Large	\$14.07
2X Large	\$16.24

[no 3X Large available in this fabric]

There is a 3X Large in 100% cotton 5.6 oz Pique fabric which might be available at a cost of approximately \$24.00. No pocket. See or call Jim Whitely, W6LTI for more info.

To assist in this purchase, please follow these instructions:

- 1) On the front of an envelope write your NAME, CALL, TELEPHONE and AMOUNT ENCLOSED
- 2) On the front of the envelope also write the ITEM(S) and SIZE(S) you want.
- 3) Place a check inside for the amount of your order payable to ANDY'S TEE SHIRTS.
- 4) Seal the envelope and give to (in person, or via US-Mail)

James Whitely, W6LTI
3843 Concord Blvd.
Concord, CA 94519-1809

Any questions? Call Jim, W6LTI at 510-685-1905.

The deadline for ordering is the May MDARC General Meeting. Jackets and shirts will be ready at the June Meeting.

Ramblings from the Editor

By Jerry Gardner, W6UV

As the summer nears, ham activity enters the doldrums. Vacations, picnics, and other outdoor activities replace operating as the weather gets warmer. We all need a break from time to time, so I encourage everyone to take a break, enjoy the outdoors, and gather your energy for the auction, Pacicon, and the other fall events. And don't forget Field Day next month. I can't think of a better way to combine ham radio with the outdoors.

The solution to last month's crossword will appear in the next issue due to space limitations.

From the RRRG

By Jim Brunk, Chairman

Diablo Communications

The pressing issue for the repeater group is the equipment and antenna installation on Mount Diablo. Both the MDARC board and The Rocky Ridge Steering committee have been actively pursuing the satisfactory conclusion of this issue. This task has not been an easy one. There have been set backs and disappointments all along the way. Throughout this process, Dick Brown, KT6X, and Keith Lattin, N6PMF, have been acting as the negotiation committee on behalf of the board. Dick describes the status in the two articles originally posted on the club's BBS.

Status of RRRG repeaters and antenna installation

by Dick Brown, KT6X

I am sure as a member of RRRG or MDARC, you are wondering what is going on with the plans to put up the antennas on the Mt. Diablo tower again. We have not released much information because there is concern that it might jeopardize our negotiating position. On the other hand, there has been much speculation and some misinformation being passed around. Therefore, here is the latest factual information.

Following our meeting with Diablo Communications in February regarding the final tower location and antenna combining plans we received a letter from Diablo Communications. The letter arrived in March from the Marketing Department. It outlined a potential agreement for the club's antennas but had a number of contradictions from previous information we had received at the meeting with Diablo Communications and the other repeater owners. For the most part it was very confusing but it indicated that our rent would be \$607 per month. Unfortunately, the details of what was included in that figure and how it was arrived at was not explained. Also, Diablo Communications wanted to reserve the right to terminate our contract with 30 days notice if they should find a commercial customer that wanted the space. This would mean we would have to lose our investment in the antennas and their installation cost. This of course is unacceptable. Similar letters were received by all the repeater owners using Diablo Communications space on Mt. Diablo. Some of them also felt that the contract terms outlined were unacceptable.

As requested, we wrote a letter back to Diablo Communications indicating we were interested in moving forward with contract negotiations but need some clarification of items in the letter and that some of the proposed terms were unacceptable. We asked for a meeting to finalize the plans and contract.

We received another letter from Diablo Communications which was unsigned although this was sent from the office of the Manager of Operations and proposed a different approach. Our cost under that proposal could actually be higher than \$600 per month but was very confusing. It did not answer any of the original questions and appears to limit the amount of space all the repeater owners would be allowed. This could conceivably force us to remove one or more of our repeaters as well. In this letter they insisted we attend a meeting on April 19 to resolve the issues. We, of course, responded that we will be there. We later determined that the letter may not have actually been written or approved by the Manager of Operations.

During this process over the last few weeks Senator Richard Rainey became aware of the problems we were facing and is very concerned. He wrote a letter to Diablo Communications

encouraging them to work out a satisfactory solution with Mt. Diablo ARC. He feels the State and local communities must have the communications support now supplied by MDARC both for civic activities as well as potential RACES and ARES emergencies.

There has been much speculation regarding looking for a new site for our repeaters. At this point MDARC feels that we must remain on Mt. Diablo with 360 degree propagation in order to serve the organizations and members we now support with the 3 voice and one television repeaters. Secondly, we must have an agreement that insures that we are not at risk in the short run of losing our investment do to market changes affecting our landlord. We are still optimistic that a satisfactory arrangement can be affected with Diablo Communications Inc. and our focus is on achieving that end. If it becomes necessary to review other alternative sites to meet these needs, it will be implemented.

You can be certain that the RRRG steering Committee and the MDARC board want this situation resolved as soon as possible but will not compromise the club's assets or long term viability to the community and our members in the process.

Your help in correcting anyone promulgating non-factual information related to all this would be appreciated.

Status of Repeater Antenna Meeting

by Dick Brown, KT6X

I met with Diablo communications on 4/18 and had a good meeting where a number of the details were agreed to by all attending. At this point we have a satisfactory plan and series of agreements that would if implemented would provide us an affordable solution to put all of our repeaters back on the tower in excellent positions. Representing Diablo Communications was their Operations Manager and much of what he agreed to has not been finally approved by their management. He expects that will be accomplished by the first week in May with a contract to follow immediately.

I won't go into the details at this time because there are several assumptions that need to be firmed up before they are completely defined.

Field Day

Larry Bevier, KD6ZMH, has agreed to run one of the UHF or VHF bands.

Answer to this Month's Questions

There were no questions submitted this month. Questions may be sent to brunk@ix.netcom.com or the designlink BBS addressed to Jim L. Brunk or dropped in the MDARC suggestion box. All questions must be signed.

My question for the month is: Where is everybody? The attendance for the auction was the lowest I've seen, the attendance at the repeater group general meetings is in the low teens and at the last club meeting, there were only about 20 people there at drawing time. This is addition to the apparent difficulty that Mike Patterson, KE6JGA, seems to be having filling the public service activities. Your interest is what keeps the club going. I suspect that in the coming months, there will be a large need for the members to participate in events like Field Day, Horse Rides and approving Club business. Consider coming out and participating.

MDARC Board of Directors Meeting Minutes

April 7, 1997

The Board meeting was opened at 7:40 by President Sam Lipson, KO6JR, at Emil Villa's. Other officers present were Greg Estep, KE6VTA; and Donna Cook, KE6PPM. Director present: John Stuart, KM6QX. Also present: Jerry Gardner, W6UV; Dick Brown, KT6X; George Roush, WB6OFH; Fletcher Young, KI6RP; and Lew Cook, K5QXX.

At the beginning of the meeting, George, WB6OFH, reported on the status of so-

cial event planning. The picnic is taking shape, with Don Anthony as head chef and a team of assistants. Dick, KT6X, volunteered to design a flyer. The current picnic budget is \$200. The motion was made and seconded to increase the budget to \$400, making the picnic free of charge to members in honor of the club's 50th anniversary. Motion carried. An additional motion was made for \$150 prize fund for the picnic. Motion failed.

The minutes of the March 10 meeting were approved as printed in the *Carrier*.

President Sam announced that MDARC member Frank Young, W6OPQ, passed away on March 23. Sympathy is extended to the Young family, as well as to

Ray Gaschk, W6FYA, on the loss of his brother, and Bert Dawson, KB7BGM, on the loss of his father.

Treasurer Greg, KE6VTA, reported a balance of \$26,332, and distributed his report to those present.

Dick Brown, KT6X, reported that the March auction cleared \$930, well short of the \$1250 budgeted. Only 113 items were sold, about half of the number sold in March of 1996.

President Sam reported that the team is in place for distribution of the *Carrier*, with the exception of designating a leader.

Revisions to the Bylaws will be distributed in April and voted upon in May.

Look for the
HRO Home Page
on the World Wide Web
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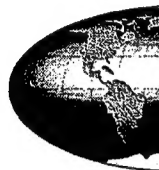
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Dick, KT6X, reported on the latest Rocky Ridge Repeater Group contacts with Diablo Communications, and the RRRG attempts to keep the monthly tower fee from increasing greatly. State Senator Richard Rainey was advised of the importance of amateur radio service to the community and has agreed to contact Diablo Communications on behalf of the club.

Lew Cook, K5QXX, asked the Board for assistance with an ATV demonstration at the Sheriff's reserve inspection in May. President Sam asked for details, which will be furnished.

Fletch Young, KI6RP, volunteered to begin work on the emergency trailer, which is currently in storage in Martinez. Approximately \$100-\$150 is needed to purchase counters to install in the trailer, and an additional \$100+ will be needed for basic electrical work. A motion was made, seconded, and passed to fund \$100 for initial cabinet work. Fletch will determine the status of the trailer and report back to the Board next month.

The meeting adjourned at 8:55 pm. The next board meeting will be held May 5th, at Emil Villa's. Everyone is invited to attend.

Respectfully submitted,
Donna Cook, KE6PPM

MDARC Board of Directors

April 17, 1997

A special meeting of the boards of MDARC and Rocky Ridge Repeater Group was held for the purpose of reviewing the current repeater situation and formulating the next strategy. The following members were present: Sam Lipson, KO6JR; Greg Estep, KE6VTA; Dick Brown, KT6X; Cal Groom, KE6OEH; Jim Brunk, N6BHX; Bert Dawson, KB7BGM; Howard Burk, KE6PPT; Keith Lattin, N6PMF; and Donna Cook, KE6PPM.

Dick, KT6X, updated the group on recent correspondence (letter to Sam Lipson, letter from State Senator Rainey to Diablo Communications, and status letter written to the club bulletin board by Dick) and a meeting about a week ago with Len Pringle. There will be another meeting tomorrow, Friday, April 18, involving our representatives and Diablo Communications. The assumptions of the Friday meeting, as outlined in Dick's agenda, are as follow:

We will not have to pay for the area to be used for the combining and duplexing equipment;

All the remaining ham organizations' equipment will fit into four standard 7-foot cabinets, and all such cabinets are available;

MDARC will be allowed to continue with two cabinets;

There is enough room in one of our cabinets for another re-

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peater, and we would be willing to share with someone;

Diablo Communications will provide a contract that assumes we will remain on the hill for several years, and there will be nothing in the contract forcing us off the hill if a commercial customer comes along.

Dick defined the expectations of the coming meeting:

All the hams remaining will agree to combine cabinets or whatever it takes to fit into the four allotted spaces;

An implementation plan with timing will be roughly defined;

The hams will again agree to pay the cost owed to Keith for the rebuild of last May; Keith and Dick will be committed to bring a proposal back to the board and steering committee that will have to go to membership.

The purpose of this meeting is to define financial commitment and approach for the club:

Is the club willing to pay the expected \$600 to \$750?

Do we want to reduce the number of repeaters in order to reduce our monthly bill?

Is it appropriate for MDARC to pay the additional \$5200 per year, rather than RRRG members?

The motion was made, seconded, and carried to reimburse Keith Lattin for the \$809.87 which he spent last May.

The motion was made, seconded, and carried that the MDARC Board of Directors support the negotiating team at the \$5200 price currently under discussion. The Board does not believe that the financial conditions will affect the fee structure of RRRG or MDARC at this time. To restate and clarify the motion, the MDARC Board is supporting the negotiating team to the effect that we know we will be paying more and we do not want the dollar figure at this time to be a stumbling block to keeping our repeaters on the hill.

The meeting was adjourned at 8:45 p.m.

...At Your Service

continued from page 1

Problems plagued Bill, N6LZM, when he found that Checkpoint One had not been set up where he was told it would be. Thanks, Bill, for your patience and determined efforts to find your station. John, N6PUL, and Marie, KE6DYT, did an outstanding job handling Checkpoint

Two. These two are real pros having done this job many times in the past. Checkpoint Three had two seasoned operators as this position had coverage problems last year. Stan, N6ZA, and Ruff, K6DME, didn't seem to have such problems this year. Jack, AA6EE, manned Checkpoint Four in a manner that would put professionals to shame. Outstanding! Lou, N6LRB, covered the ambulance position but when it left on another assignment, Lou was reassigned to help cover the Finish Line (close to the food, much to his delight).

Ruth, KE6VOO, and Larry, KD6ZUG, showed up with a new member of the family only three weeks old (the pacifier looked suspiciously like a microphone). They provided moral support for Net Control during the event and were most welcome. Walt, KB6QIB, and Harry, AA6OX, were great for hanging around a couple hours. Their positions were the two vans that did not show up. Many thanks for staying in case you were needed elsewhere. Thanks Marriot, N6RFQ. He attended to cover the Finish (he wanted to be close to the food this year). Rich, KY6R, was to shadow one of the officials but the official didn't show himself. Rich stuck around in case he was needed elsewhere. This is important because the "hamraderie" is wonderful.

Don, AA6ZZ, was our Mobile Floater. As it turned out, Don didn't have much to do but his being there was our insurance for a vacant position. Mac, KE6ZZG, was the seasoned Assistant Net Control. Without Mac this event would not have been as comfortable to operate. (He brings all the support equipment, including the proverbial kitchen sink.) Trevor, WA6JAU, had the *most difficult* job of "Shadow One" for the Event Coordinator, Terry Dien. If Trevor blinked, Terry would disappear! I think she wore him out that day; I didn't see him standing still for a second. Charles, KE6QZU, was also a Shadow for one of the officials; his job was only slightly easier.

Dave, KO6TJ, did an outstanding job as Assistant Net Control as did Jim, AD6AM, and Robert, KF6FGH, who began this event as a Floater but soon found himself relieving a Shadow as well as operating Control. All three operated NCS for the first time in the "hot seat" and they did a great job.

The *most important* job (in the words of the event coordinator) went to Farideh, KF6GEO. She began the event as Walker One, but for some inexplicable reason

became Checkpoint One, Two, Three, Sag Walker, and finally SAG Pusher (a somewhat technical term later to be defined). She was to bring up the rear, so to speak, making sure there were no stragglers left on the course while also arranging for checkpoints to shut down. I understand that some event participants (including officials) found themselves running to stay ahead of her. Checkpoints showered gifts of fruit upon her when she would arrive. She thought they were very friendly people but later realized that they would be released as soon as she arrived at their station. She had an entourage consisting of friends Patty and Shirin and a visiting aunt from Iran, Mrs. Mehrparvar. This lady completed the entire course walking and is 72 years old! The event could not end until the last participant crossed the Finish Line and, of course, the Ham must follow. It's my understanding the last participant, although determined to finish, needed some assistance, hence the term "SAG Pusher" was born. No further explanation required.

No event runs perfectly and this was no exception. Our mistakes were of no consequence to the running of the event and much praise was poured out by the officials after the walk was over. What better training could a person get?

I cannot stress enough that getting involved early in one of the public service events is the best way to hone your operating skills. The "hamraderie" is great and help is always needed during the organizing stage. I have met very nice people during this stage that I would not otherwise get to know. There are some events coming up that still need coordinators. This is a job that requires no skill other than wanting to do the best job that you can. You can call me or one of the other past coordinators for help in organizing and your job at the actual event is probably the easiest. Get involved, have fun!

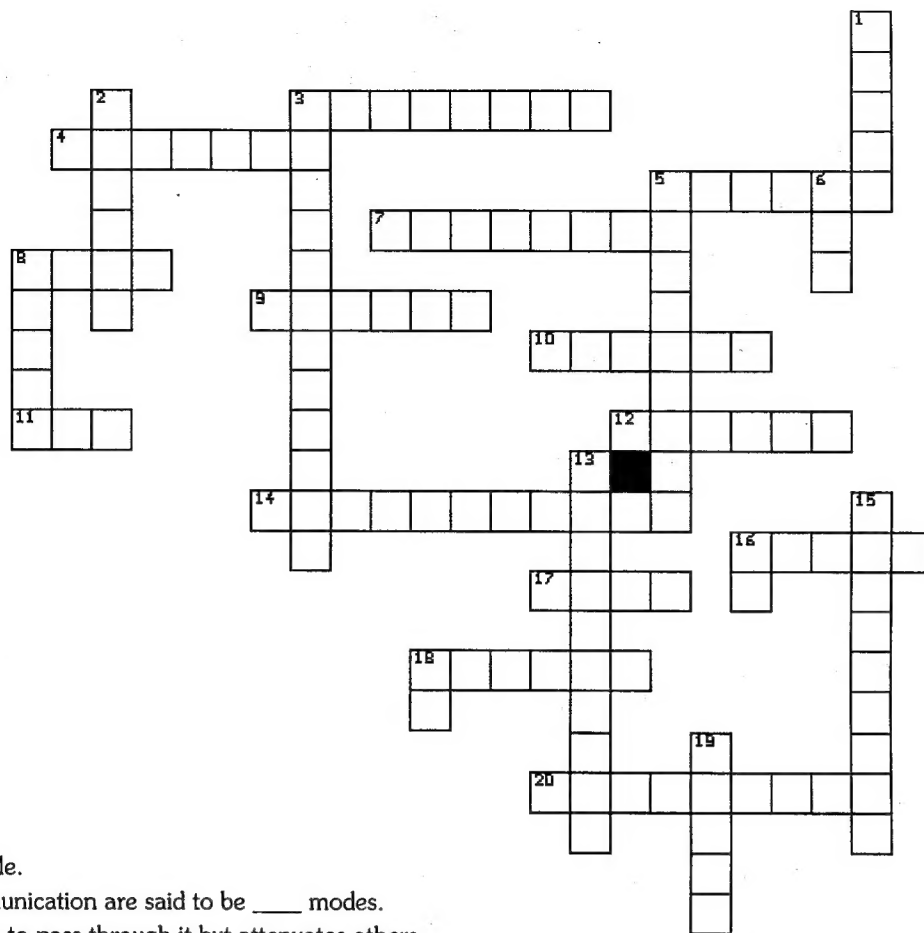
I have placed an order for the radio kits some of you have ordered. Hopefully, they will be here in just a few weeks. I am looking forward to the kit building sessions but cannot schedule any until I receive the kits. Will let you all know just as soon as I can.

My apologies to the Ham that approached me at the last meeting. I didn't get your name and call. I have ordered an extra radio kit for you. Please see me again or call by telephone.

Wishing you all good transmissions, 73... Charles, AC6WU.

Crossword

By Dan Goemmel, KQ6AR

**ACROSS**

3. A small negatively charged particle.
4. Computer based modes of communication are said to be ____ modes.
5. A device that allows some signals to pass through it but attenuates others.
7. An element or elements in front of the driven element of a beam antenna.
8. A ____ resistor has a thin layer of resistive material on a ceramic form.
9. The ____ element of an antenna is connected to the feed line.
10. All electrical equipment should have a good ____.
11. The short Morse code character is written as a ____.
12. The ability to do work.
14. An antennas ability to be directional can be called its ____.
16. A ____ antenna or load is connected to a transmitter to allow off air adjustments of radio gear.
17. A person good at sending CW is said to have a "good ____."
18. To receive and transmit on two different frequencies.
20. The ____ ratio is the difference between the maximum change in RF-carrier frequency and the Highest modulating frequency used in an FM transmitter.

DOWN

1. A device that generates CW dots and dashes.
2. An antenna made of a piece of wire or tubing, fed at the center.
3. A ____ capacitor is polarized and relies on chemical reaction to form a thin insulating layer between the plates.
5. The number of complete cycles of an alternating current measured in one second.
6. The force that pushes current through a circuit. abr.
8. The basic unit of capacitance.
13. A packet repeater.
15. CW, FM, SSB, RTTY, are types of ____.
16. A distant or foreign contact is called a ____ station.
18. Electrical current that flows in one direction. abr.
19. A station located within 50km of the earth's surface is a ____ station.

1997 MDARC Public Service Events

By Mike Patterson, KE6JGA

Date	Event and Location	# Ops	Ham Coordinator
26-Apr Sat.	March of Dimes Walk-America Heather Farms, Walnut Creek	7	Charles Arthur, AC6WU 510-706-2625
3-May Sat.	Spring Trailride Concord-Mt. Diablo Trainride Assoc. Mt. Diablo	10	Joe Gregory, WA6DQN h 510-930-6889
4-May Sun.	Devil Mountain Run Danville	10	Ed Richie, K6SFD h 510-837-3265
10-May Sat.	Human Race Volunteer Center of Contra Costa Lafayette Reservoir	6	Lauren Styles, WA6CIE w 510-460-4982 h 510-676-2186
10-May Sat.	Tour Diablo Valley Diablo Cyclists N.Gate H.S. to Mt.Diablo, Lvrmore, Mtx, ++	8	Robert Hampton, KF6FGH h 510-625-4033
10-May	Skip-to-Skip Race Antioch to Clayton	8	Jim Greenwood, KQ6LF 510-779-0166
31-May Sat.	Diablo Vista Endurance Ride	8	Joe Gregory, WA6DQN h 510-930-6889
14-Jun Sat.	Mission Peak Horse Ride International Arabian Horse Assoc. Sunol Park to Mission Peak	6+	Joe Gregory, WA6DQN h 510-930-6889
21-Jun Sat.	Endurance Ride Moraga Horsemen's Assoc. Oakland Hills, Redwood & Chabot Parks	7	Joe Gregory, WA6DQN h 510-930-6889
4-Jul Thu.	San Ramon City Fireworks San Ramon	10	Ed Richie, K6SFD h 510-837-3265
4-Jul Thu.	Pleasant Hill 4th of July Parade Pleasant Hill	5	Bob Williams, N6UTX h 510-934-1873
31-Aug Sun.	Hekaton Bike Ride Valley Spokesmen Bike Club Dublin, Castro Valley , Martinez, ++	6	Arnold Harding, KQ6DI h 510-449-0966
20-Sep Sat.	Las Trampas Trailride Las Trampas Stables, San Ramon Oakland Hills, Redwood & Chabot Parks	8	Joe Gregory, WA6DQN h 510-930-6889

NETS

RRRG Nets

APRS Net Tuesdays 1930 Hours
 147.060/+ (100 pl)
 Net Control: Barry, KC6WYA

Phone Net Thursdays 1930 Hours
 147.060/+ (100 pl)
 Net Control: Jay Caldis, KT6Y

ATV Net Thursdays 2000 Hours
 Net Control: Mike Burke, KB6RMT
 Alternate: Sylvia, KC6YJV

Youth Net Thursdays 1900 Hours
 147.060/+ (100 pl)
 Net Control: Jeff Burke, KE6YAW

Contra Costa County Emergency Services HF Net

First Thursday following first Wednesday, 2000 Hours, 3.895 MHz. Net Control: Richard Shappee, WA5HQJ

Sheriff's Amateur Radio Communications Team

Clay Yale, N6YBQ
 (510) 228-8223

Contra Costa County ARES/RACES Nets

Thursdays, 1900 Hours

Central County 145.680 Simplex
 Jim Brunk*, N6BHX
 (510) 372-8248

East County 146.535 Simplex
 Jim Tittle*, KC6SOE
 (510) 432-3220

South County 146.355/+ (100 pl)
 Greg Nelson*, WB6MBD
 (510) 933-5381

West County 145.110/-
 Rich Parker*, KD6JCT
 (510) 237-2777

QSY to 147.735/- at 1920 Hours

Meeting of all County ARES/RACES Nets

Sam Lipson, District Emergency Coordinator, KO6JR
 (510) 229-5705

* Assistant District Emergency Coordinator

Swap Shop

For Sale

Icom IC-W32A dual band HT 2 meter-440. Includes rubber duck, wall charger, Icom HS-85 headset, HM-46 speaker mic, BP-173 5 watt battery, Icom CP-12L vehicle lighter plug, and all manuals.

It has all the bells and whistles one could want. It has alphanumeric readout, 100 channels per band, encode-decode, extended receive, and lots more.

Price: \$475.00

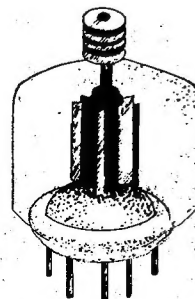
Contact: Eric Borghesani, KE6YNI, at 510-228-7707

For Sale

ICOM IC-745 HF transceiver. Covers all bands from 160-10 including WARC, and general coverage receive. With matching ICOM IC-PS15 AC power supply, ICOM IC-SP3 speaker, microphone, manuals. Excellent condition.

Price: \$560

Contact: Wendell Peterson, K6POU, at 510-934-2962.



CALENDAR OF EVENTS

May 5	7:30 pm	MDARC Board Meeting	Emil Villa's, Concord
May 14	7:30 pm	RRRG Steering Committee Meeting	Baker's Square, Concord Second Wednesday every Month
May 16	6:00 pm	MDARC VEC Exams	Our Savior's Lutheran Church 1035 Carol Lane, Lafayette
May 16	8:00 pm	MDARC Meeting	Our Savior's Lutheran Church 1035 Carol Lane, Lafayette
May 17	8:00 am	Pacificon General Meeting	Baker's Square, Concord Saturday following 3 rd Friday
May 21	7:30 pm	RRRG General Meeting	Stonebrook Healthcare Center 4367 Concord Blvd., Concord
May 30		June Carrier Deadline	
June 1	7:00 am-Noon	Livermore Swapmeet	Las Positas College, Livermore 1st Sunday every month

The Carrier
Newsletter of the Mt. Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523

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Address Correction Requested

MDARC Meeting: May 16
RRRG Meeting: May 21

